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Please type a plus sign (+) inside this box → ☐

PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 8021-37 (SS-14987-US)
First Inventor Jae-wook LEE
Title Phase Locked Loop Detector Circuit
Express Mail Label No. EL757868605US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 26]
(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 8]
5. ☒ Oath or Declaration [Total Pages 2]
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☐ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☒ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS
Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☒ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☒ Other: Checks \$710.00 / \$40.00

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: _____/_____

Prior application information:

Examiner _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

| | | | | | |
|---------|------------------------------------|-----------|--------------|----------|--------------|
| Name | Frank Chau | | | | |
| Address | F. CHAU & ASSOCIATES, LLP | | | | |
| | 1900 Hempstead Turnpike, Suite 501 | | | | |
| City | East Meadow | State | NY | Zip Code | 11554 |
| Country | USA | Telephone | 516-357-0091 | Fax | 516-357-0092 |

| | | | |
|-------------------|------------|-----------------------------------|-------------|
| Name (Print/Type) | Frank Chau | Registration No. (Attorney/Agent) | 34,136 |
| Signature | | | Date 5/1/01 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on
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20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application,
Washington, DC 20231

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**FEE TRANSMITTAL
for FY 2001**

Patent fees are subject to annual revision.

Complete if Known

| | |
|----------------------|-----------------------|
| Application Number | |
| Filing Date | May 1, 2001 |
| First Named Inventor | Jae-wook LEE |
| Examiner Name | |
| Group Art Unit | |
| Attorney Docket No. | 8021-37 (SS-14987-US) |

TOTAL AMOUNT OF PAYMENT (\$ 750.00)**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to.

| | |
|------------------------|---------------------------|
| Deposit Account Number | 50-0679 |
| Deposit Account Name | F. Chau & Associates, LLP |

- ☒
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:**

☒ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| | Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|-----|----------------------------|----------------------------|------------------------|----------|
| 101 | 710 | 201 355 | Utility filing fee | 710.00 |
| 106 | 320 | 206 160 | Design filing fee | |
| 107 | 490 | 207 245 | Plant filing fee | |
| 108 | 710 | 208 355 | Reissue filing fee | |
| 114 | 150 | 214 75 | Provisional filing fee | |

SUBTOTAL (1) (\$ 710.00)**2. EXTRA CLAIM FEES**

| | Total Claims | Extra Claims | Fee from below | Fee Paid |
|---------------------------|--------------|--------------|----------------|----------|
| Independent Claims | 14 | -20** = 0 | 18 | 0 |
| Multiple Dependent Claims | 3 | -3** = 0 | 80 | 0 |
| | | | 270 | |

| | Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|-----|----------------------------|----------------------------|--|----------|
| 103 | 18 | 203 9 | Claims in excess of 20 | |
| 102 | 80 | 202 40 | Independent claims in excess of 3 | |
| 104 | 270 | 204 135 | Multiple dependent claim, if not paid | |
| 109 | 80 | 209 40 | ** Reissue independent claims over original patent | |
| 110 | 18 | 210 9 | ** Reissue claims in excess of 20 and over original patent | |

SUBTOTAL (2) (\$ 0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| | Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|--------------------------------|----------------------------|----------------------------|--|----------|
| 105 | 130 | 205 65 | Surcharge - late filing fee or oath | |
| 127 | 50 | 227 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 130 | Non-English specification | |
| 147 | 2,520 | 147 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 112 | 920* | 112 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 55 | Extension for reply within first month | |
| 116 | 390 | 216 195 | Extension for reply within second month | |
| 117 | 890 | 217 445 | Extension for reply within third month | |
| 118 | 1,390 | 218 695 | Extension for reply within fourth month | |
| 128 | 1,890 | 228 945 | Extension for reply within fifth month | |
| 119 | 310 | 219 155 | Notice of Appeal | |
| 120 | 310 | 220 155 | Filing a brief in support of an appeal | |
| 121 | 270 | 221 135 | Request for oral hearing | |
| 138 | 1,510 | 138 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 55 | Petition to revive - unavoidable | |
| 141 | 1,240 | 241 620 | Petition to revive - unintentional | |
| 142 | 1,240 | 242 620 | Utility issue fee (or reissue) | |
| 143 | 440 | 243 220 | Design issue fee | |
| 144 | 600 | 244 300 | Plant issue fee | |
| 122 | 130 | 122 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 | 180 | 126 180 | Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 40 | Recording each patent assignment per property (times number of properties) | 40.00 |
| 146 | 710 | 246 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 | 710 | 249 355 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 | 710 | 279 355 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 900 | Request for expedited examination of a design application | |
| Other fee (specify) _____ | | | | |
| SUBTOTAL (3) (\$ 40.00) | | | | |

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Name (Print/Type) Frank Chau

Registration No.
(Attorney/Agent)

34,136

Complete (if applicable)

Telephone 516-357-0091

Signature

Date

5/1/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PATENT APPLICATION

Atty. Docket No. 8021-37 (SS-14987-US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, D.C. 20231

UTILITY APPLICATION FEE TRANSMITTAL

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Jae-wook LEE

For: PHASE LOCKED LOOP LOCKED DETECTOR CIRCUIT AND
METHOD OF LOCK DETENTION

Enclosed are:

[X] 18 page(s) of specification

[X] 1 page(s) of Abstract

[X] 7 page(s) of claims

[X] 8 sheets of drawings [X] formal [] informal


[X] 2 page(s) of Declaration and Power of Attorney

[X] An Assignment of the invention to:
Samsung Electronics Co., Ltd.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date May 1, 2001 in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL757868605US addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Frank Chau
(Type or print name of person mailing paper)


(Signature of person mailing paper)

☐ This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s)..
APPLICATION NO(S) : FILING DATE

____/_____
____/_____

☒ Certified copy of applications

Country

Appln. No.

Filed

Korea

00-55481

21 September 2000

from which priority under Title 35 United States Code, § 119 is claimed

☒ is enclosed.

☐ will follow.

☐ The fees to be charged are to be based on the number of claims remaining as a result of the attached Preliminary Amendment.

CALCULATION OF UTILITY APPLICATION FEE

| For | Number Filed | Number Extra | Rate | Basic Fee \$ 710.00 |
|-------------|--|-----------------|------------|------------------------|
| Total | | | | |
| Claims* | 14 - 20 = 0 | | x \$ 18.00 | \$.00 |
| Independent | | | | |
| Claims | 3 - 3 = 0 | | x \$ 80.00 | \$ |
| Multiple | <input type="checkbox"/> yes | Add'l. Fee | \$270.00 | \$ |
| Dependent | | | | |
| Claims | <input checked="" type="checkbox"/> no | Add'l. Fee | None | = \$ |


TOTAL \$ 710.00

☐ Applicant claims Small Entity Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith \$_____.

*Includes all independent and single dependent claims and all claims referred to in multiple claims. See 37 C.F.R. § 1.75(c).

- [X] A check in the amount of \$40.00 is enclosed for recording the attached Assignment.
- [X] A check in the amount of \$710.00 to cover the filing fee is attached.
- [] Charge fee to Deposit Account No. 50-0679. Order No. 50-0679. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.
- [X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Date: 5/1/01


SIGNATURE OF ATTORNEY
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Reg. No. 34,136

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FC/GJR:mel